

ABSTRACT

An apparatus, system, and method for precise dispensing of a desire volume of liquid. The present system allows incorporation of brewer control and a faucet in an accurate volume dispensing system. The dispensing apparatus is used in combination with a beverage maker and includes a liquid reservoir with a level sensor associated therewith for sensing a liquid level in the reservoir. An inlet tube communicates with the reservoir and a constant line pressure source. An inlet valve positioned along the inlet tube is controlled by a controller. The controller also controls an outlet valve communicating with an outlet tube extending from the liquid reservoir. The controller operates the outlet valve to remain open for a time period which is the longer of an initial set time period and one or more refill periods. The controller may also controllably adjust the outlet time period by monitoring for reductions in the time the inlet valve remains open.